

STUDIES OF YRAST AND CONTINUUM
STATES IN $A = 100-200$ NUCLEI

Final Report

Patrick J. Daly

Principal Investigator

Purdue University, West Lafayette, IN 47907

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DOE Patent Clearance Granted
MD Dvorscak
Mark P. Dvorscak
(630) 252-2393
E-mail: mark.dvorscak@ch.doe.gov
Office of Intellectual Property Law
DOE Chicago Operations Office
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Date

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Abstract

This is a final report on a nuclear structure research program of long duration at Purdue University. A listing of research publications during the last five years is presented.

I. Research Activities

Our nuclear structure research program at Purdue University, that has extended over 40 years, is winding down to conclusion, with Principal Investigator Patrick Daly now in semi-retired status, and Prof. Zbigniew Grabowski fully retired. This program has been continuously supported since 1966 by the U.S. Atomic Energy Commission and its offspring agencies, leading seamlessly to the current U.S. Department of Energy Grant. Our research results have been reported in more than 150 papers in top nuclear physics journals, and in some 20 Ph.D. and M.S. theses. We have enjoyed important long term collaborations with colleagues at Argonne NL, at Legnaro NL and Univ. of Padova (Italy), at Cracow Inst. of Nuclear Physics (Poland), at IKP Jülich (Germany), and at Royal Inst. of Technology, Stockholm (Sweden).

In the following pages, we list the publications of the last five years as a fairly accurate representation of the research accomplishments during this concluding period.

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